



East Kilbride Glasgow G75 0QU

Scotland UK

Director: **Dr R D Scott**

Scottish Universities Research & Reactor Centre

Telephone: East Kilbride (03552) 20222

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Direct Line:

RADIOCARBON DATING LABORATORY

26 August 1992

Sample	GU-5219
Submitter	P Murphy, Centre of East Anglian Studies, University of East Anglia, Norwich.
Material	Grain (<i>Avena spp</i>)
Sample Reference	Ipswich Series IAS 4601 0760
Delta ¹³C rel. PDB	-22.617;
Radiocarbon Age	BP1170 ± 50 (AD 780)
Calibrated Age Ranges	
1a	cal AD 785-941, cal BP 1165-1009
20	cal AD 714-980, cal BP 1236-970

Laboratory Comment:

English Heritage
ANCIENT MONUMENTS LABORATORY
RADIOCARBON DATING SERVICE
Submitters Comments on a Dating Result

When you receive each radiocarbon dating result please fill in one of these sheets and send it to the Ancient Monuments Laboratory Radiocarbon Dating Service.

Please write your comment on the dating result of your sample on this sheet. Use one sheet per sample. Each sample is unique or is submitted for a unique reason and we therefore expect each result to receive an individual comment.

Among other things you should explain how the result answers the questions that you posed on the sample submission form. Your comments will be published verbatim in the AM Laboratory Annual Datelist. Please do not exceed 50 words.

Your Sample Reference Code	IAS 4601 0760
Laboratory Sample Code (eg OxA 2315)	GU-5219

Comment:

Samples of carbonized grain stored in the cellar of a building should provide a fairly close date for when the building burnt down. The radiocarbon result is at odds with the ceramic and stratigraphic evidence, which indicates a significantly later date range.



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RADIOCARBON DATING CERTIFICATE

26 August 1992

Sample	GU-5218
Submitter	P Murphy, Centre of East Anglian Studies, University of East Anglia, Norwich.
Material	Grain (<i>Avena spp</i>)
Sample Reference	Ipswich Series IAS 4601 0741
Delta ¹³ C rel. PDB	-23.2%
Radiocarbon Age BP	1240 ± 50

(AD710)

Calibrated Age	cal AD 685-860, cal BP 1265-1090
Ranges 1σ	cal AD 670-890, cal BP 1280-1060
2σ	

Laboratory Comment:

English Heritage

ANCIENT MONUMENTS LABORATORY

RADIOCARBON DATING SERVICE

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Your Sample Reference Code

IAS 4601 0741

Laboratory Sample Code (eg OxA 2315)

GU-5218

Comment:

Samples of carbonized grain stored in the cellar of a building should provide a fairly close date for when the building was burnt down. The radiocarbon result is at odds with the ceramic and stratigraphic evidence, which indicates a significantly later date range.



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Please append below any general comments on the radiocarbon ages enclosed and return a.s.a.p. to Dr G T Cook at the above address.

GENERAL COMMENTS:

For the attention of Dr G.T.Cook

Radiocarbon samples GU-5220, GU-5221, GU-5218, GU-5219
Grain Samples from excavated buildings.

In the light of the fairly consistent results of the radiocarbon dating of these grain samples, I have re-examined the stratigraphic and ceramic evidence for two buildings for which samples were taken. The calibrated dates in all instances appears far too early and there is far too much associated material to justify such an early date for the samples. As I originally stated to Dr David Jordan at the English Heritage Laboratories, the anticipated result would have put the samples into the 11th or 12th centuries (AD), and there is still too great a weight of associated evidence to suggest any deviation from this date range.

At present, the dates from the samples seem a little disappointing.

Tom Loader
Field Officer,
Suffolk Archaeological Unit